

**Amendments to the Drawings:**

The attached replacement and annotated sheets of drawings include changes to Figs. 1-7, 9, 10 and 13-17. The changes to Figs. 1-7, 9, 10 and 13-17 add figure legends. The replacement drawing sheets submitted herewith replace the originally filed drawings and, to the best of the knowledge of the undersigned, include no new matter.

**Attachments:**

**Replacement Sheets for Figs. 1-17**

**Annotated Sheets Showing Changes to Figs. 1-17**

## **REMARKS**

By the present amendment, Figs. 1-7, 9, 10 and 13-17 have been changed to add legends thereto. Claims 1-63 remain pending in the present application. Claims 1 and 63 are independent claims. Applicant requests reconsideration and allowance in view of the foregoing amendments and the following remarks.

### ***Drawings***

1. The drawings are objected to because allegedly every element in Figs. 1-7, 9, 10 and 13-17 allegedly requires reference characters. Applicant has amended Figs. 1-7, 9, 10 and 13-17 by adding legends to clarify the drawings, and, to the best of the knowledge of the undersigned, include no new matter.

### ***Allowed Claims***

2. Applicant notes with appreciation the indication by the Office that claims 1-63 are allowed.

### ***Conclusion***

3. Applicant believes that a full and complete reply has been made to the outstanding *Ex parte Quayle* Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will

Application No. 10/074,048  
Art Unit 2664

Docket No. 32178-178051  
Customer No. 26694

expedite prosecution of this application, the Examiner is hereby invited to telephone the undersigned at the number provided.

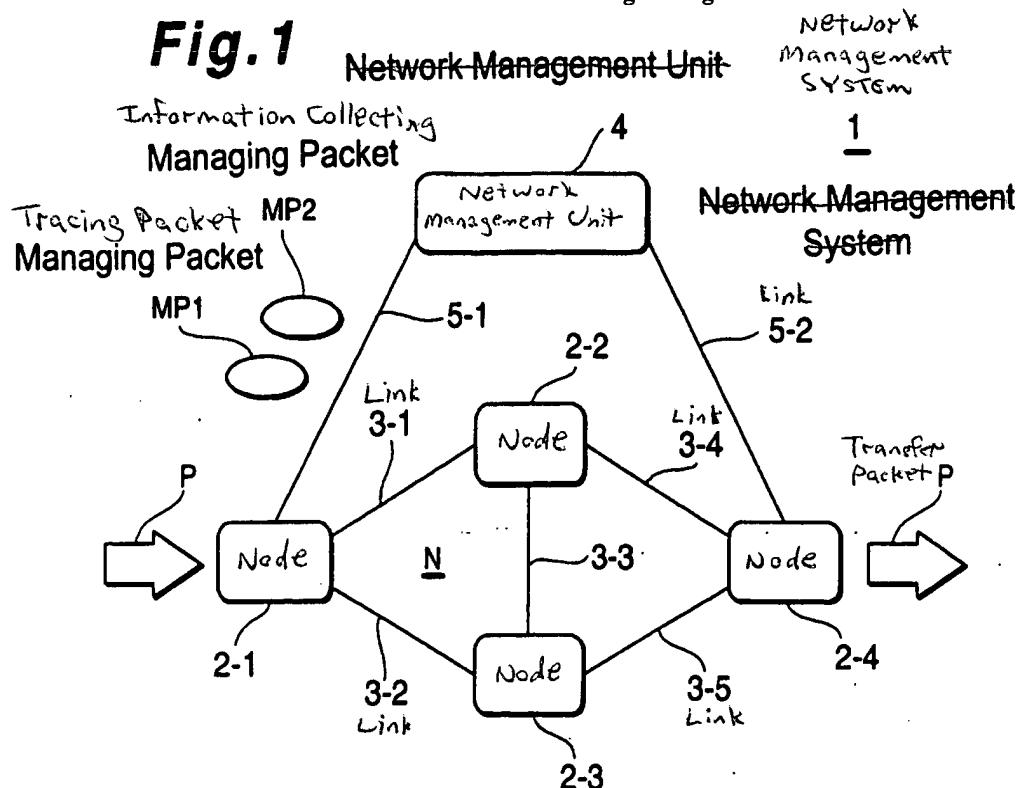
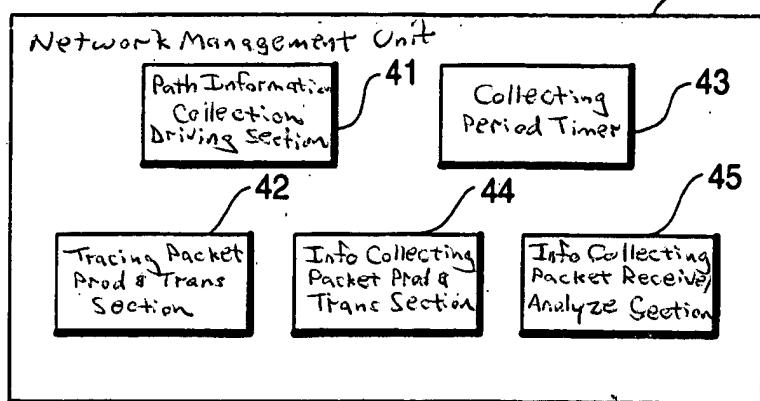
Prompt and favorable consideration of this Amendment is respectfully requested.

April 13, 2006

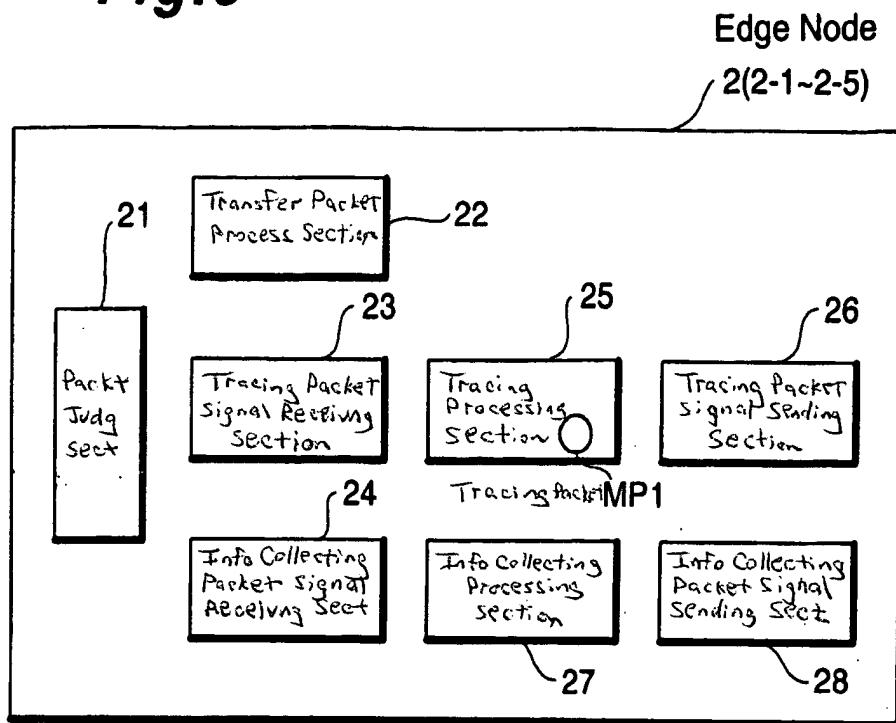
Respectfully submitted,

By   
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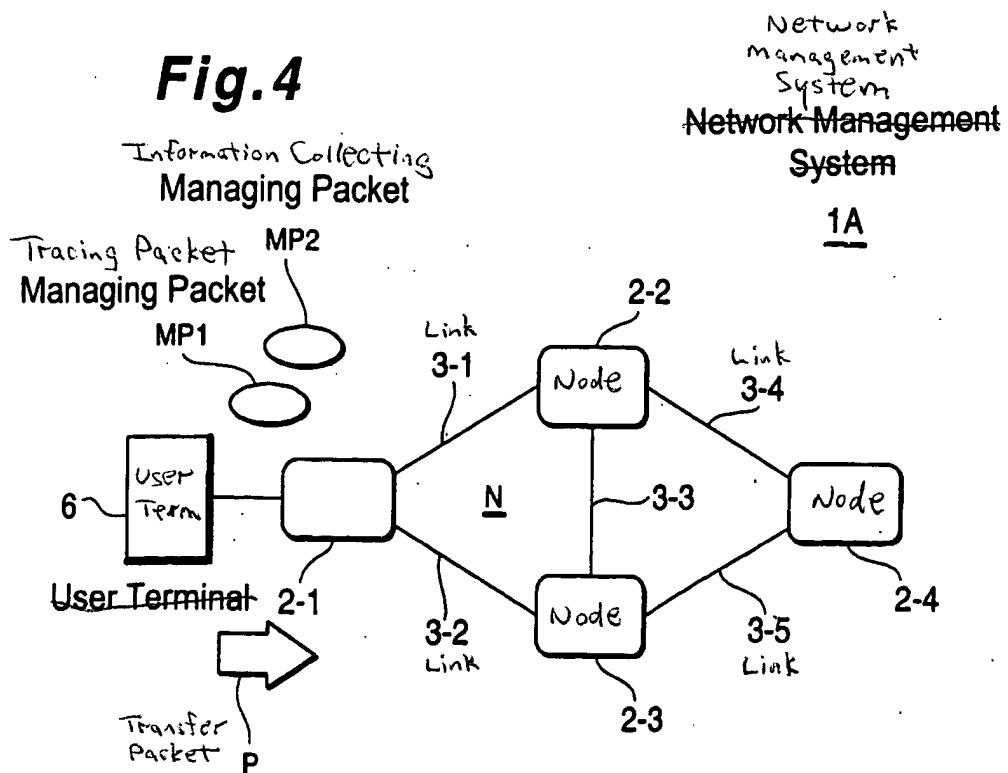
MAS/TCS

**Fig. 1****Network Management Unit****Fig. 2****Network Management Unit 4**

**Fig.3**



**Fig.4**



**Fig. 5**

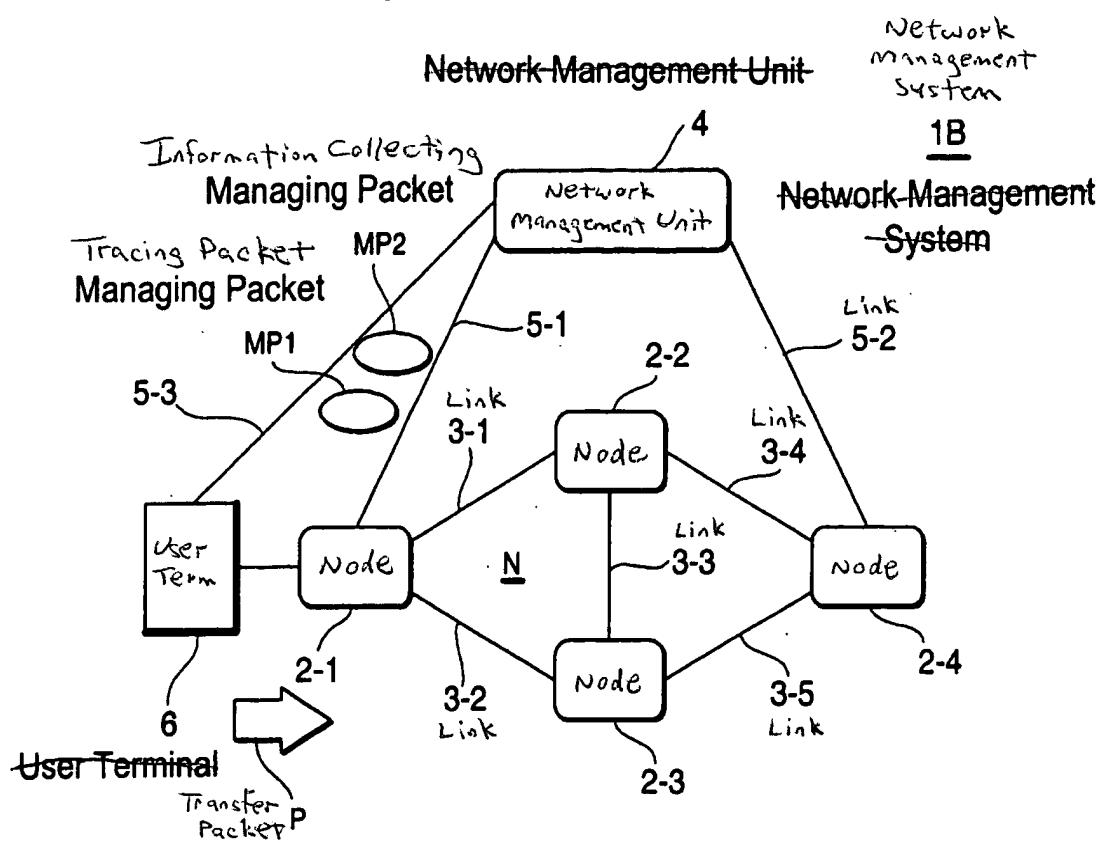
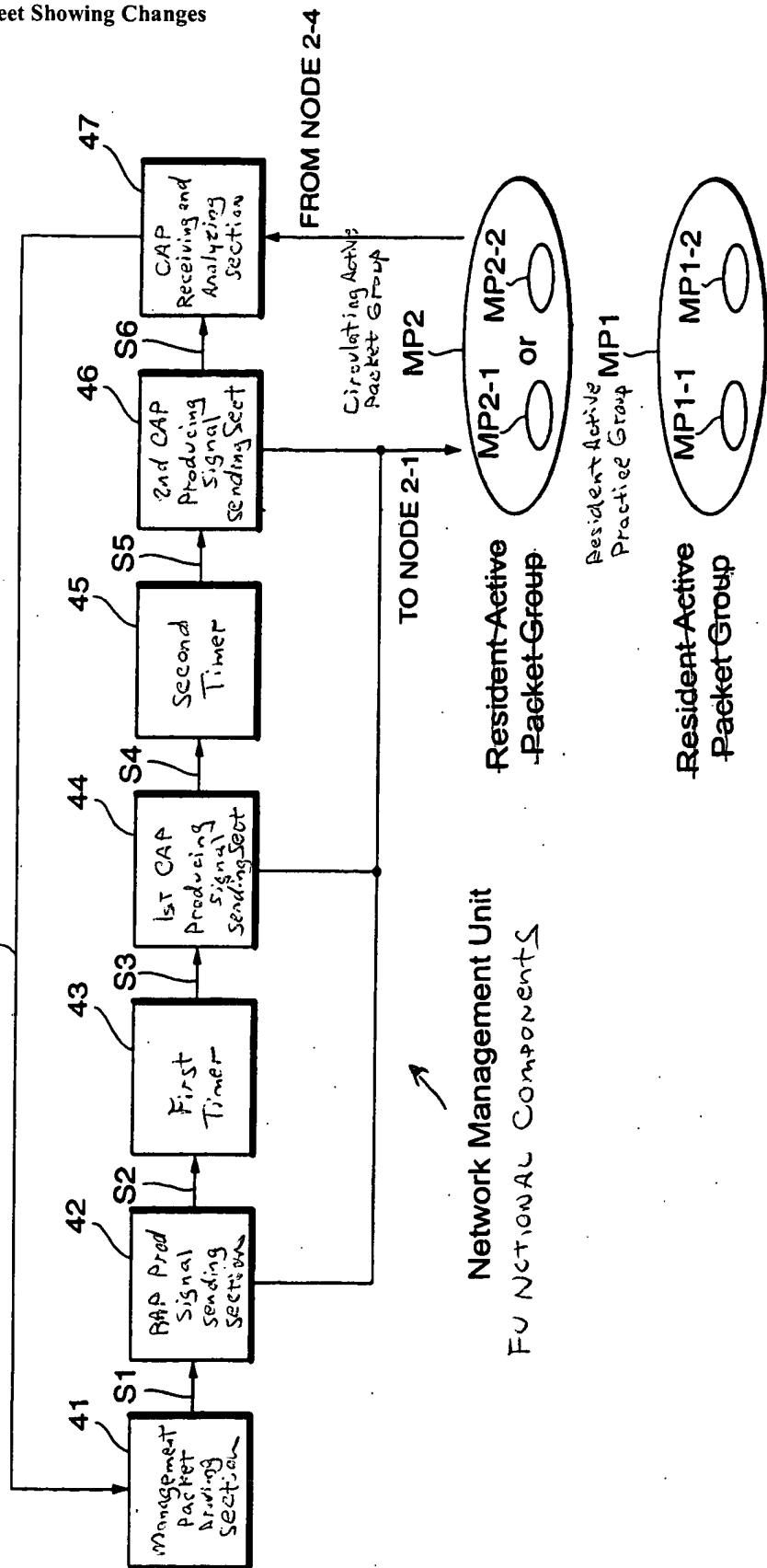


Fig. 6

S7

Key

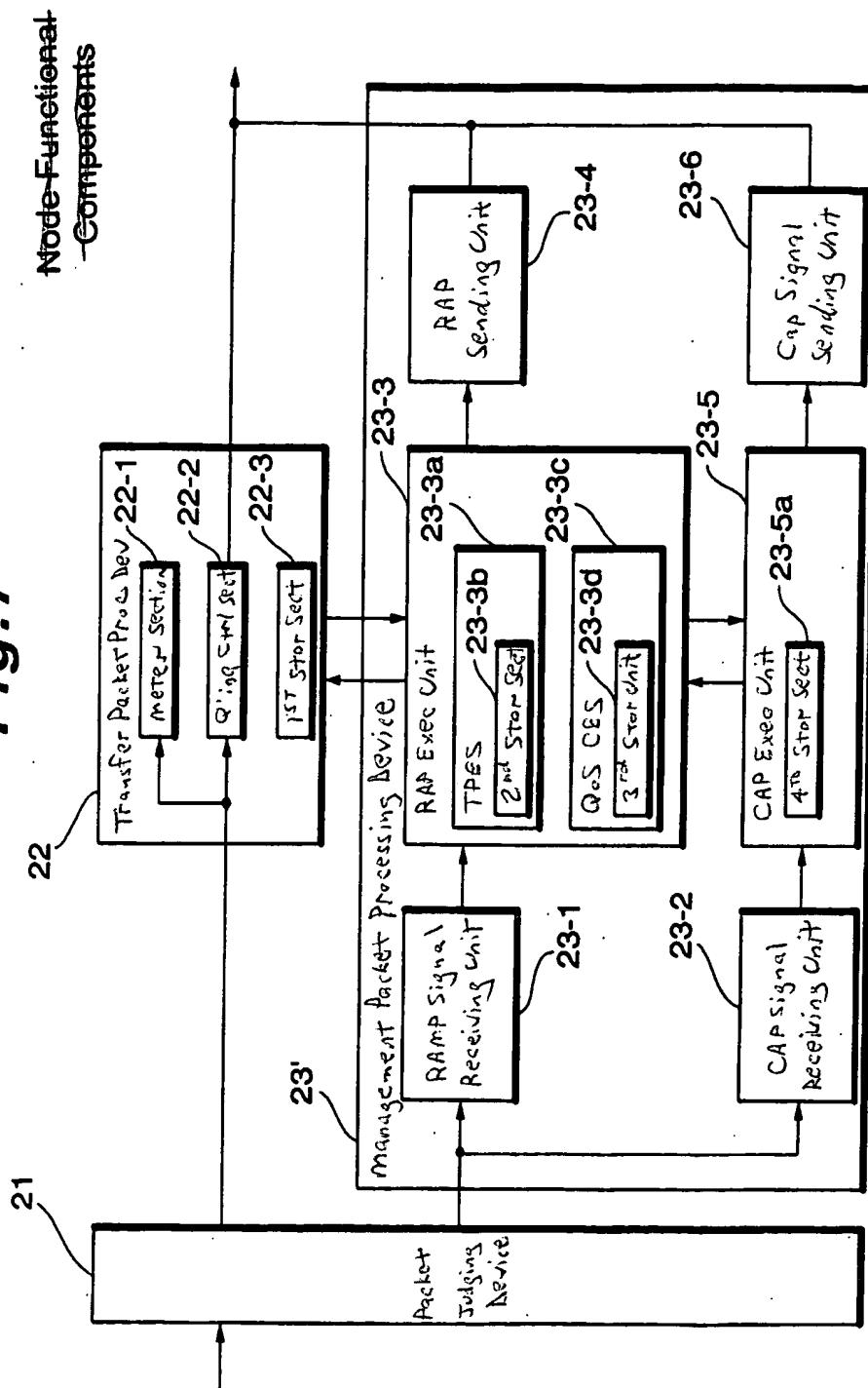
MP1-1: Tracing Processing Packet

MP1-2: QoS Control Packet

MP2-1: Driving Packet

MP2-2: Information Collecting Packet

Fig. 7



**Fig. 8**

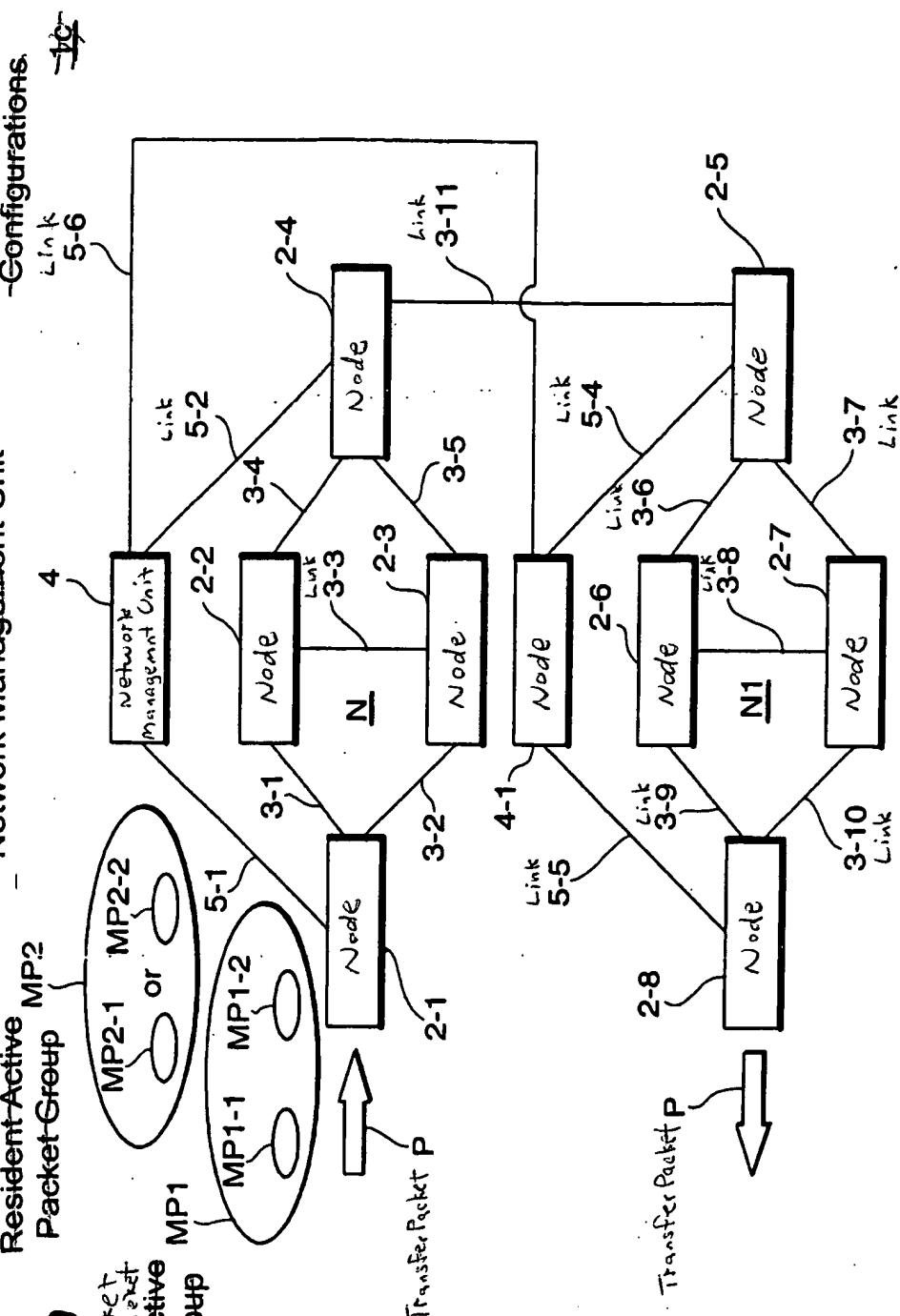
Appl. No. 10/074,048  
Art Unit 2664  
Confirmation No. 7590

Annotated Sheet Showing Changes

Class	~74	~75	~76	~77
Degree of importance	Class 4 Precedence: Emergency(100)	Class 3 Precedence: Urgency(Flash,Override,100)	Class 2 Precedence: Immmediacy(010) Priority(001)	Class 1 Precedence: Ordinary(000)
Degree of importance (High) ~71	Sender IP address:AAA (Low delay,high throughput) Order of transmitting 1, 31, 51 ~78	Transmission of four packets per one time transmission. Order of transmitting 2,5, 32,35, 52,55 ~79	Transmission of three packets per one time transmission. Order of transmitting 3,6,8, 33,36,38, 53,56,58 ~80	Transmission of two packets per one time transmission. Order of transmitting 4,7,9,10, 34,37,39,40, 54,57,59,60 ~81
Degree of importance (Middle) ~72	Sender IP address:CCC (High throughput) Order of transmitting 11, 41 ~82	Transmission of four packets per one time transmission. Order of transmitting 12,15, 42,45 ~83	Transmission of three packets per one time transmission. Order of transmitting 13,16,18, 43,46,48 ~84	Transmission of two packets per one time transmission. Order of transmitting 14,17,19,20, 44,47,49,50 ~85
Degree of importance (Low) ~73	Sender IP address:EEE (Ordinary) Order of transmitting 21 ~86	Transmission of four packets per one time transmission. Order of transmitting 22,25 ~87	Transmission of three packets per one time transmission. Order of transmitting 23,26,28 ~88	Transmission of one packet per one time transmission. Order of transmitting 24,27,29,30 ~89

Resident Active -  
Information collecting  
Managing Packet  
Network Management Unit -  
Node Quality Control System -  
Configurations

## Fig. 9 Tracing Packets Managing Data Resident Agent Packet Group



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## mp1-1: Tracing Processing Packet

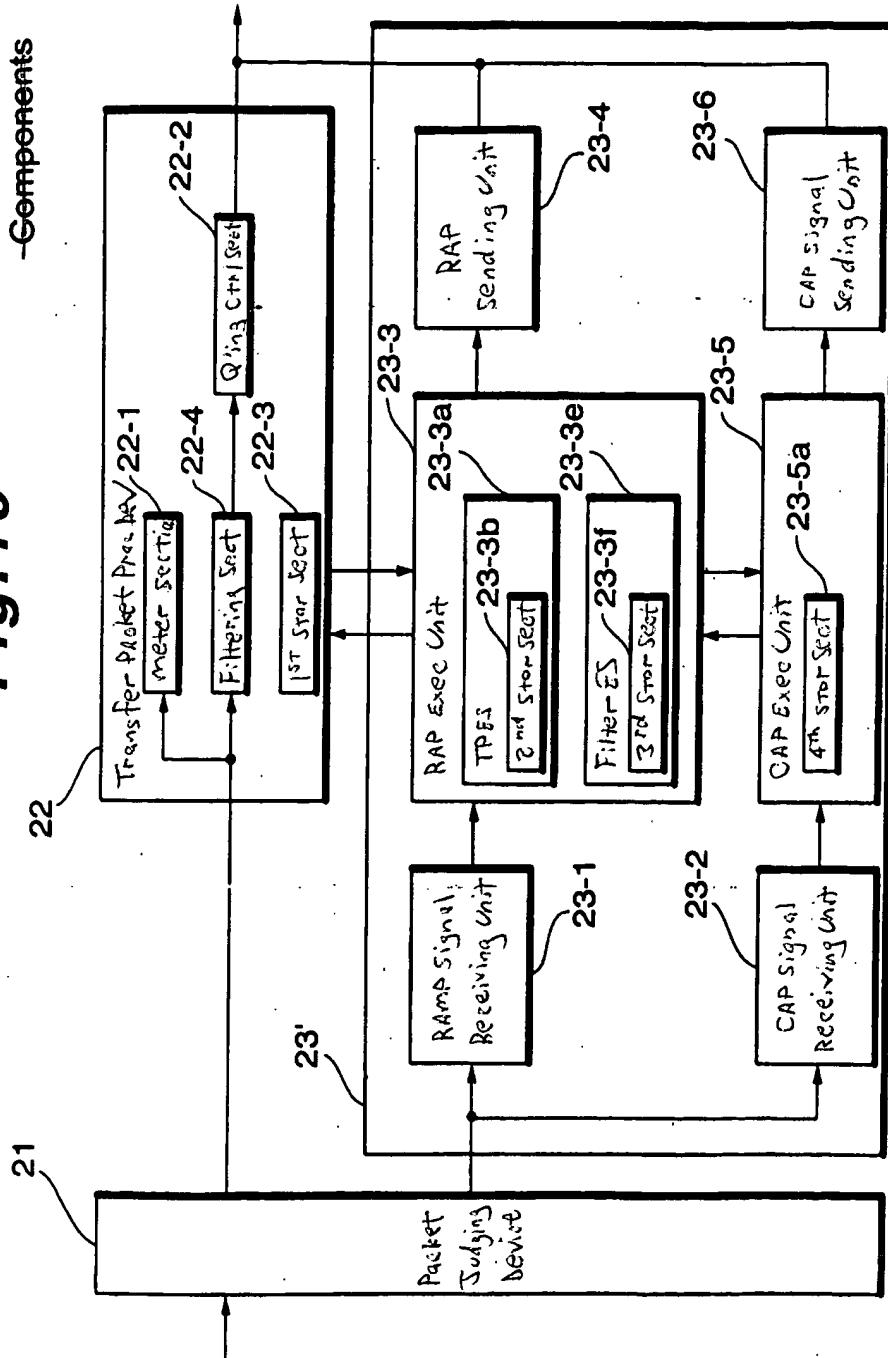
## MP1-2: Filtering Packets

map-*t*: Tracing processing packet

mp2-2: Information Collecting Parcels

Node-Functional  
 Components

**Fig. 10**



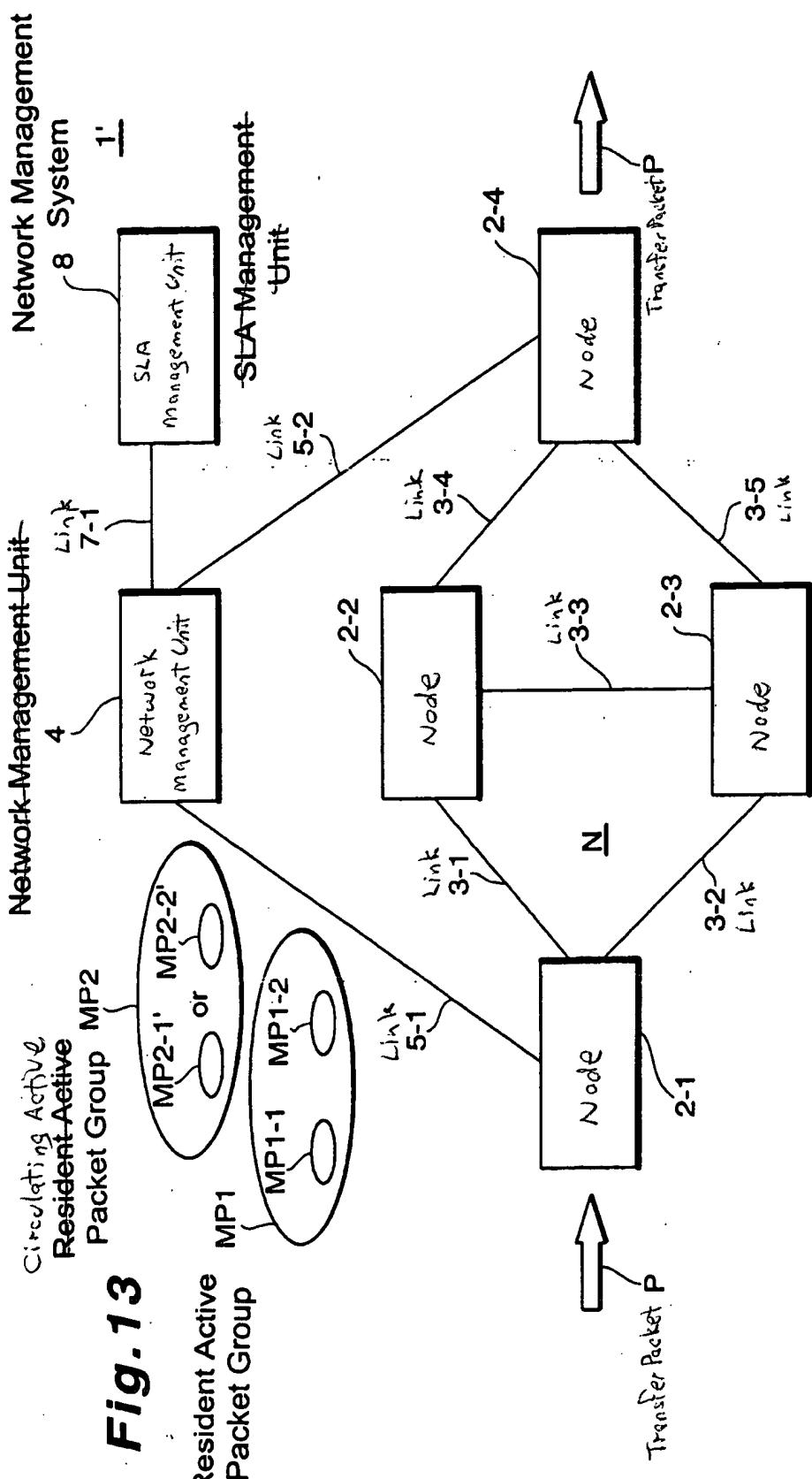
**Fig. 11****[Table 7']**

Check item	Value for check item exceeds maximum threshold value	Value of check item equal to maximum threshold value	Value of check item is minimum threshold value or more and maximum threshold or less	Value of check is minimum threshold value or less
~72	Transfer packet is abandoned	~73	Transfer packets are abandoned at designated frequency	~74
~71	All transfer packets are abandoned starting from packet having lower precedence	~71a	Transfer packets are abandoned starting from packet having lower precedence at designated frequency	~71b
~76	All transfer packets P are abandoned	~76a	Transfer packets are abandoned starting with lower precedence, depending on average frequency of queuing as value of check item	~76b
~77	All predetermined transfer packets P are abandoned	~77a	Transfer packets are abandoned starting with lower precedence, depending on average frequency of queuing as value of check item	~77b
~78	All packets P having lower precedence are abandoned	~78a	Transfer packets are abandoned starting with lower precedence, depending on average frequency of queuing as value of check item	~78b
	Third option (Contents provided in second option + precedence of predetermined transfer packets P)		Transfer packets are abandoned starting with lower precedence, depending on average frequency of queuing as value of check item	~78c
			Transfer packets are abandoned starting with lower precedence, depending on average frequency of queuing as value of check item	~78d

**Fig. 12****[Table 8]**

8

Check item	Value for check item exceeds maximum threshold value	Value of check item equal to maximum threshold value	Value of check item is minimum threshold value or less
Average transmission rate in traffics of transfer packet in node	~82	~83	~84
Fourth option (Above check item + precedence of transfer packet)	~81	~81a	~81b
Fifth option (Average transmission rate in traffics of predetermined packet in node)	~86	~86a	~86b
Sixth option (Fifth option + precedence of predetermined transfer packet P )	~87	~87a	~87b
	~88	~88a	~88b
			~88c
			~88d



Key

MP1-1: Tracing Processing Packet  
 MP1-2: SLA management packet  
 MP2-1: Information Collecting Packet  
 MP2-2: Congestion Avoiding Packet

## Annotated Sheet Showing Changes

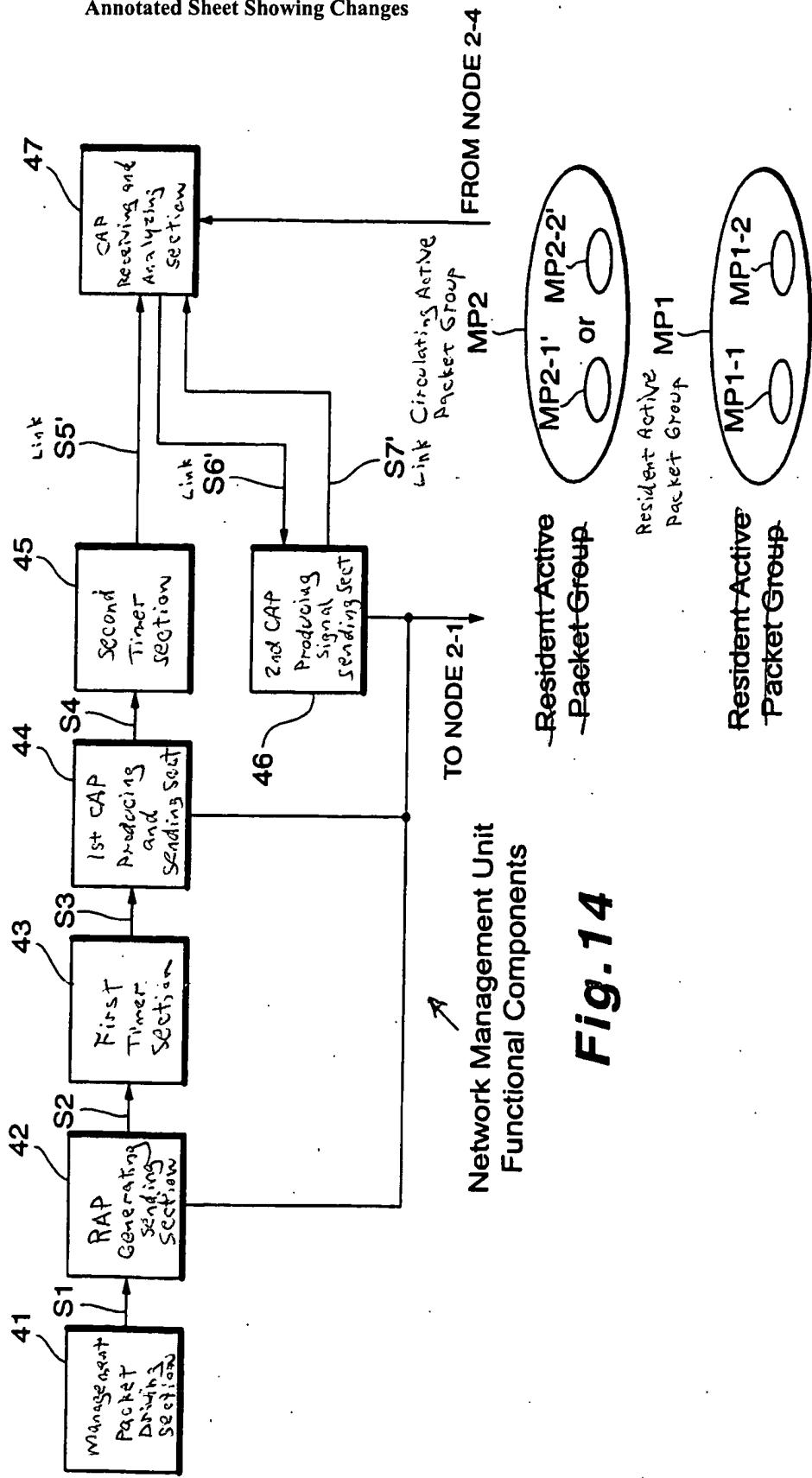
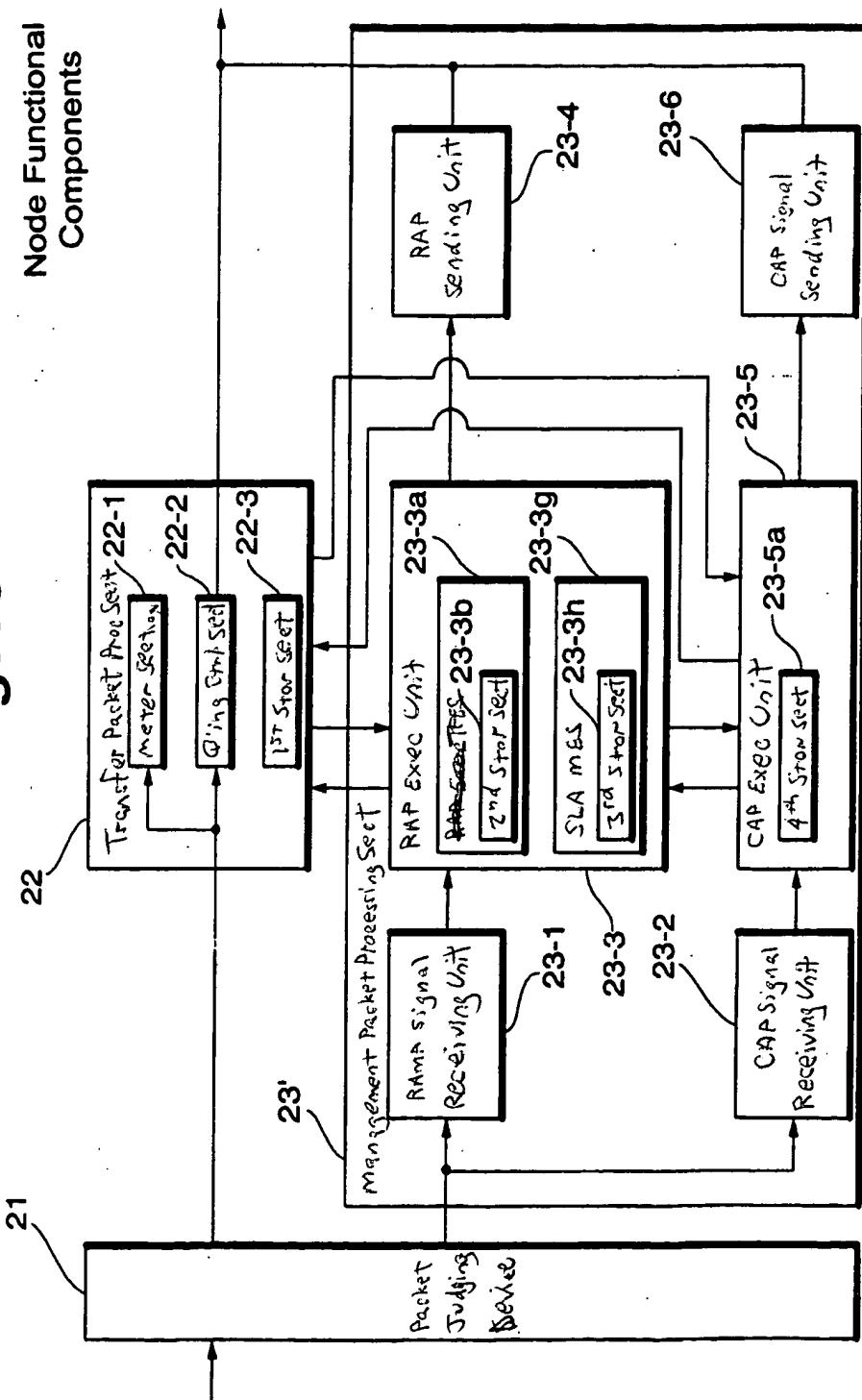
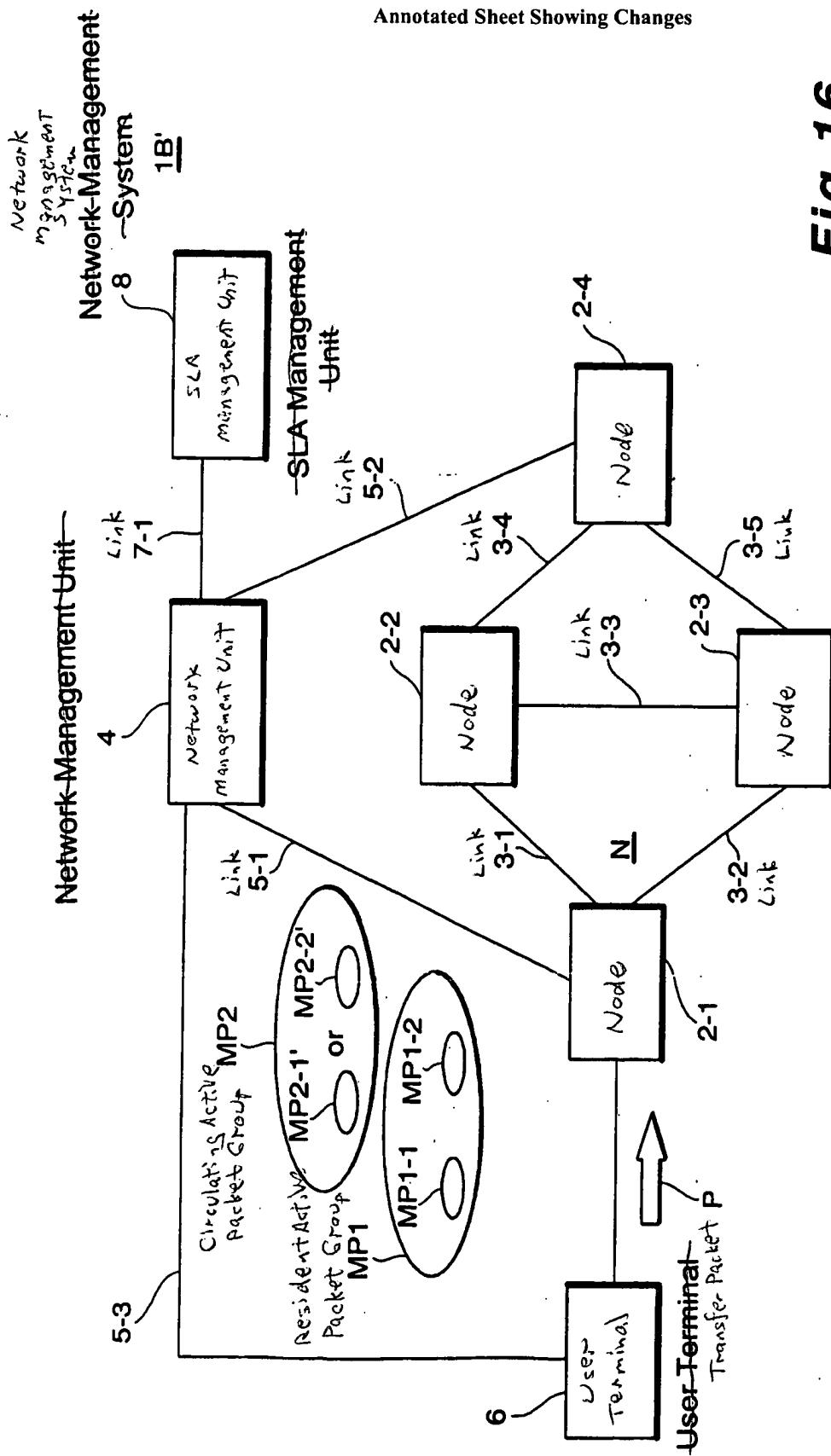


Fig. 15

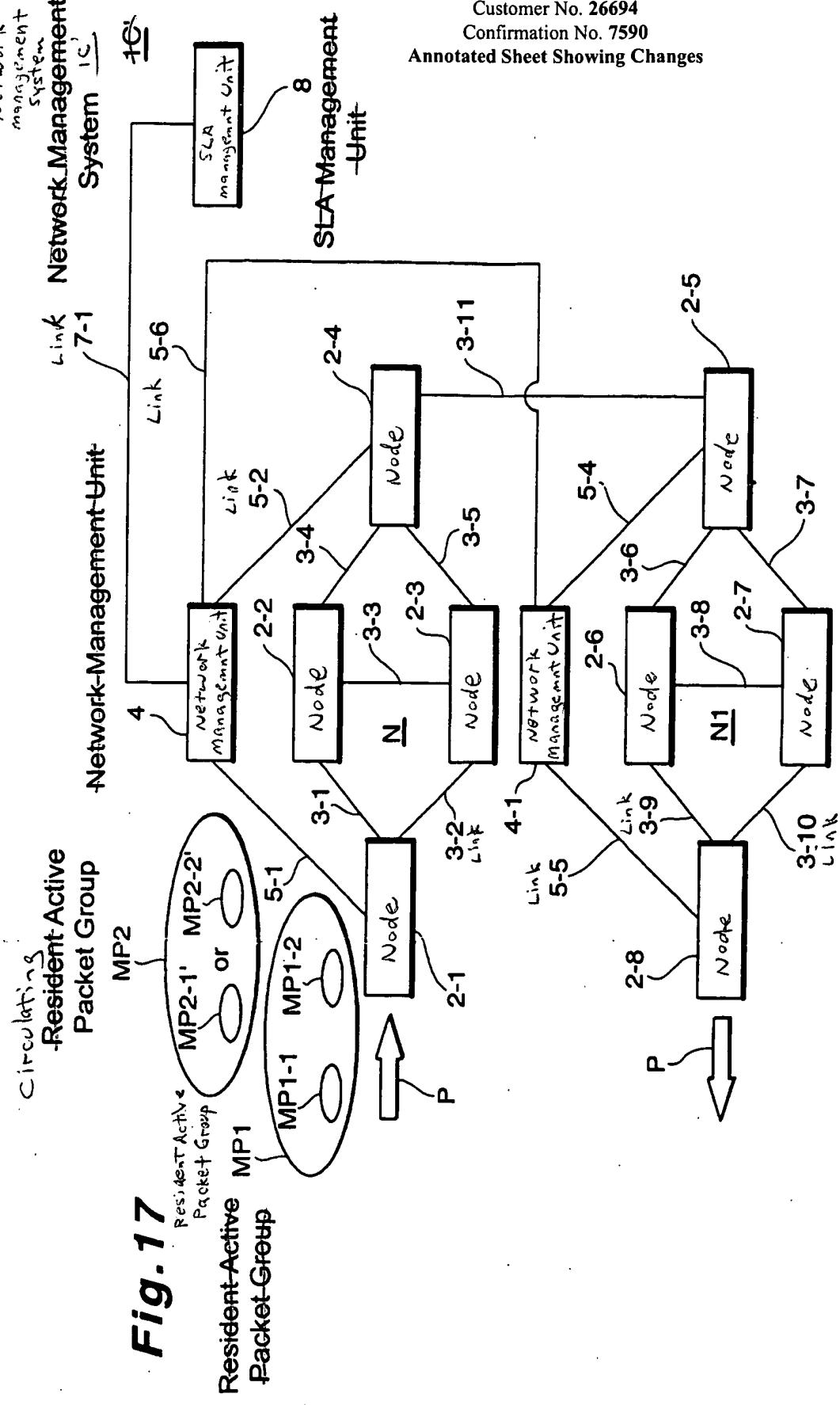


**Fig. 16**

**Key:**

- MP1-1: Tracing Processing Packet
- MP1-2: SLA Management Packet
- MP2-1: Information Collecting Packet
- MP2-2: Congestion Avoiding Packet

Fig. 17



Key

MP1-1: Tracing Processing Packet  
MP1-2: SLM Management Packet

## MP2-1: Transformation Collections Project

## MPZI: Intelligent Congestion Avoiding Packet